

FIG. 1
processing system 10

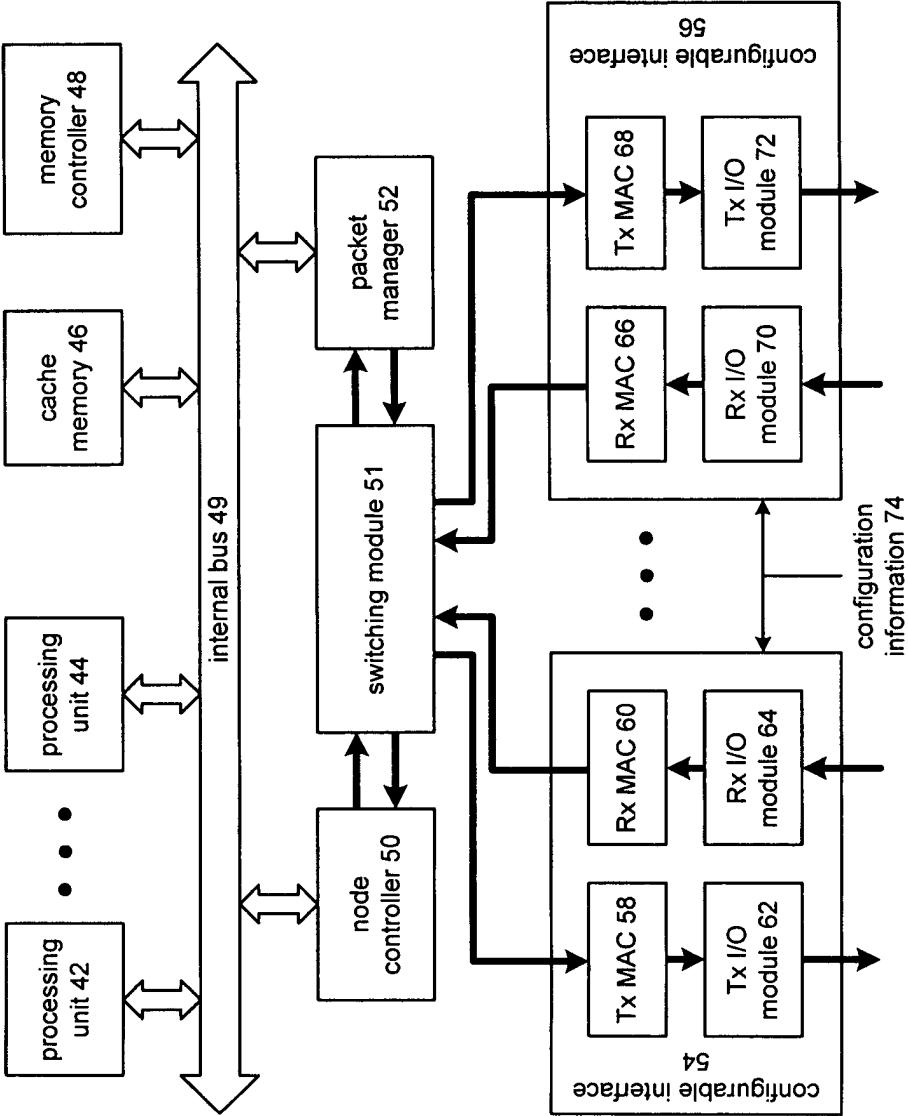


FIG. 2
processing device 20

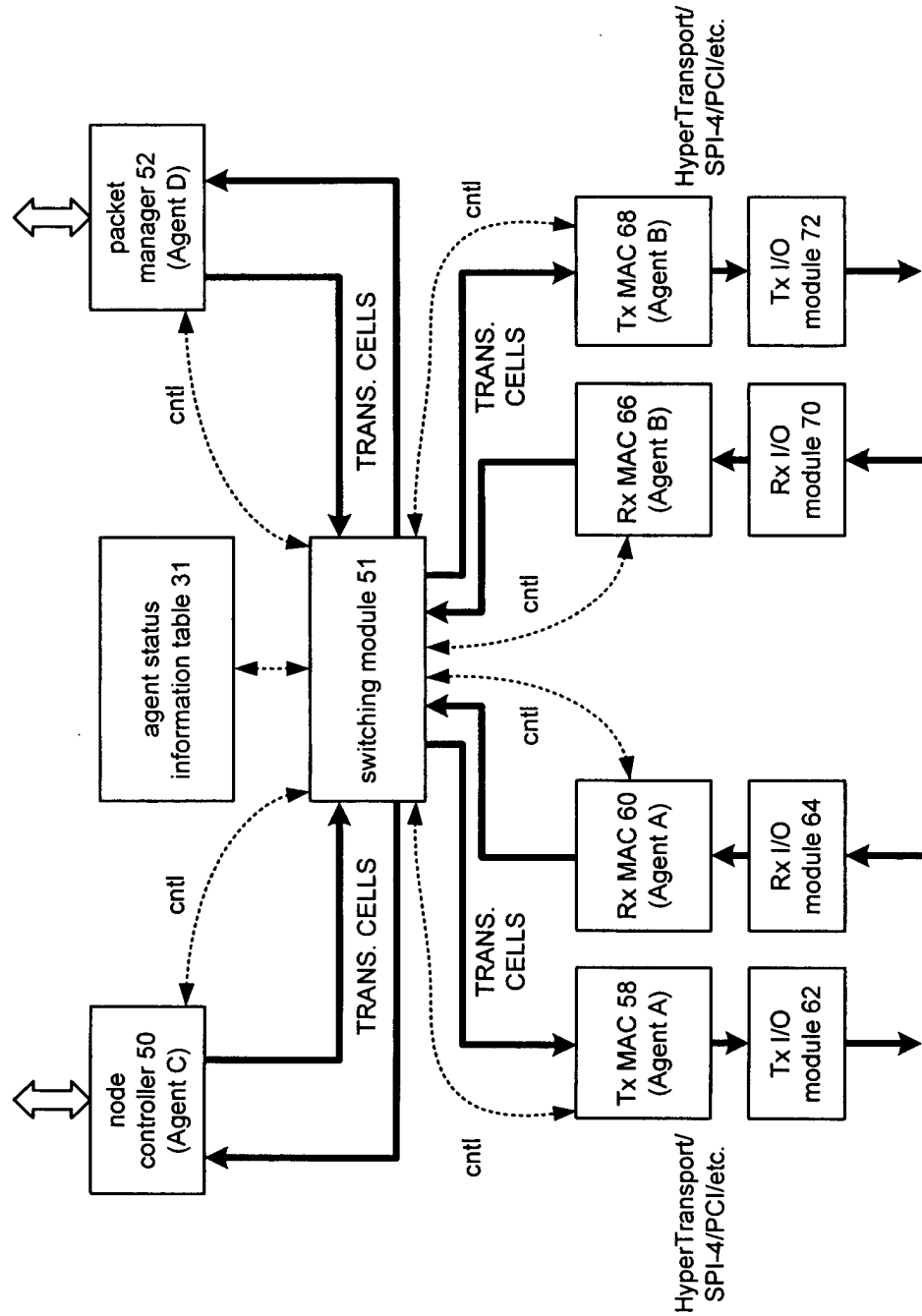


FIG. 3
processing system 20

CONTROL TAG (4 BYTES)	
DATA (16 BYTES)	

Transaction Cell
- 402

FIG. 4

SRC_AGT_A STATUS	DST_AGT_A STATUS	OVC_1	EOP_ST
SRC_AGT_A STATUS	DST_AGT_A STATUS	OVC_2	EOP_ST
SRC_AGT_A STATUS	DST_AGT_A STATUS	OVC_3	EOP_ST
•	•	•	•
SRC_AGT_A STATUS	DST_AGT_A STATUS	OVC_N	EOP_ST
SRC_AGT_A STATUS	DST_AGT_B STATUS	OVC_1	EOP_ST
SRC_AGT_A STATUS	DST_AGT_B STATUS	OVC_2	EOP_ST
SRC_AGT_A STATUS	DST_AGT_B STATUS	OCV_3	EOP_ST
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
SRC_AGT_D STATUS	DST_AGT_D STATUS	OVC_N-2	EOP_ST
SRC_AGT_D STATUS	DST_AGT_D STATUS	OVC_N-1	EOP_ST
SRC_AGT_D STATUS	DST_AGT_D STATUS	OVC_N	EOP_ST

Agent Status Information Table - 31

FIG. 5

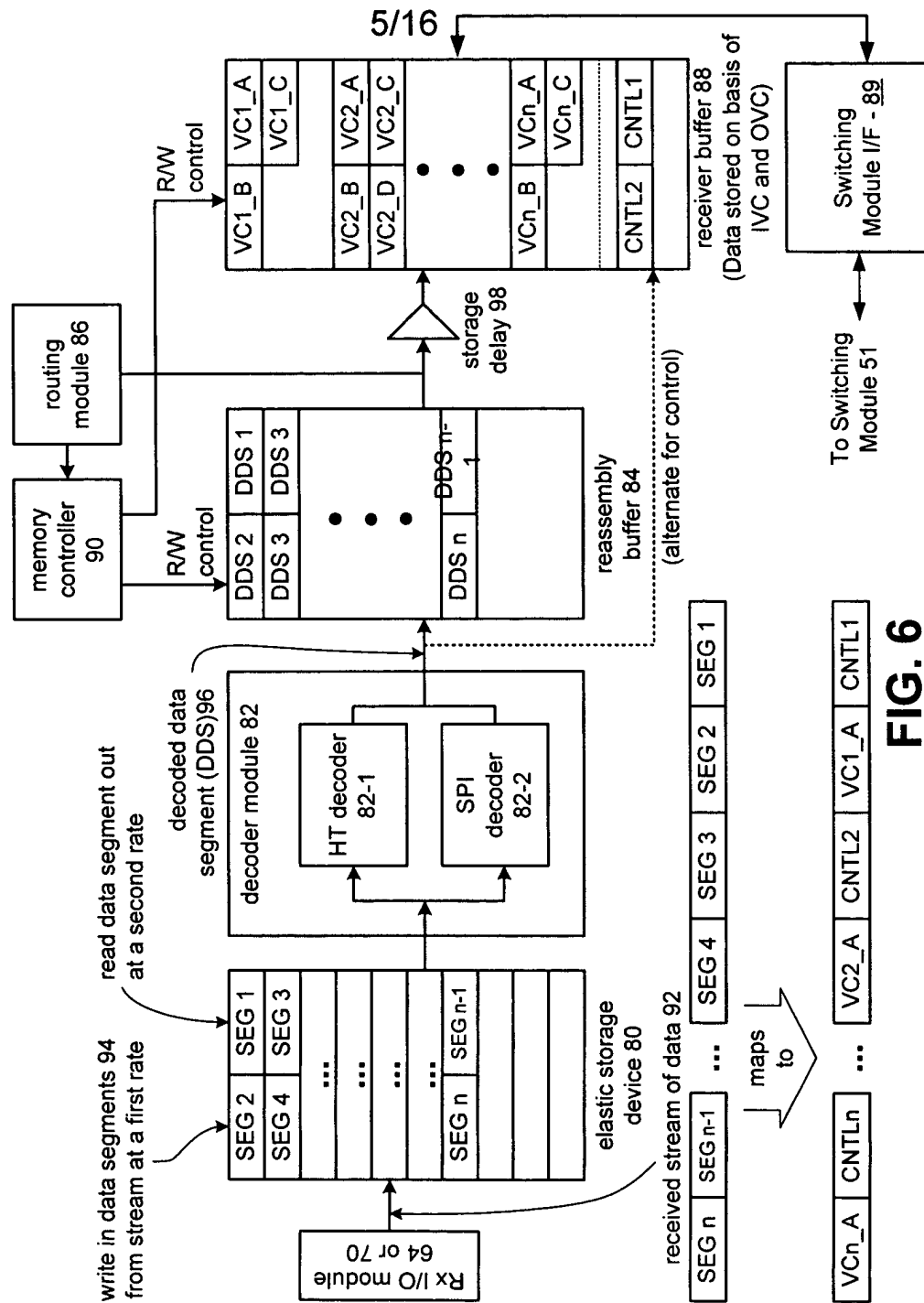
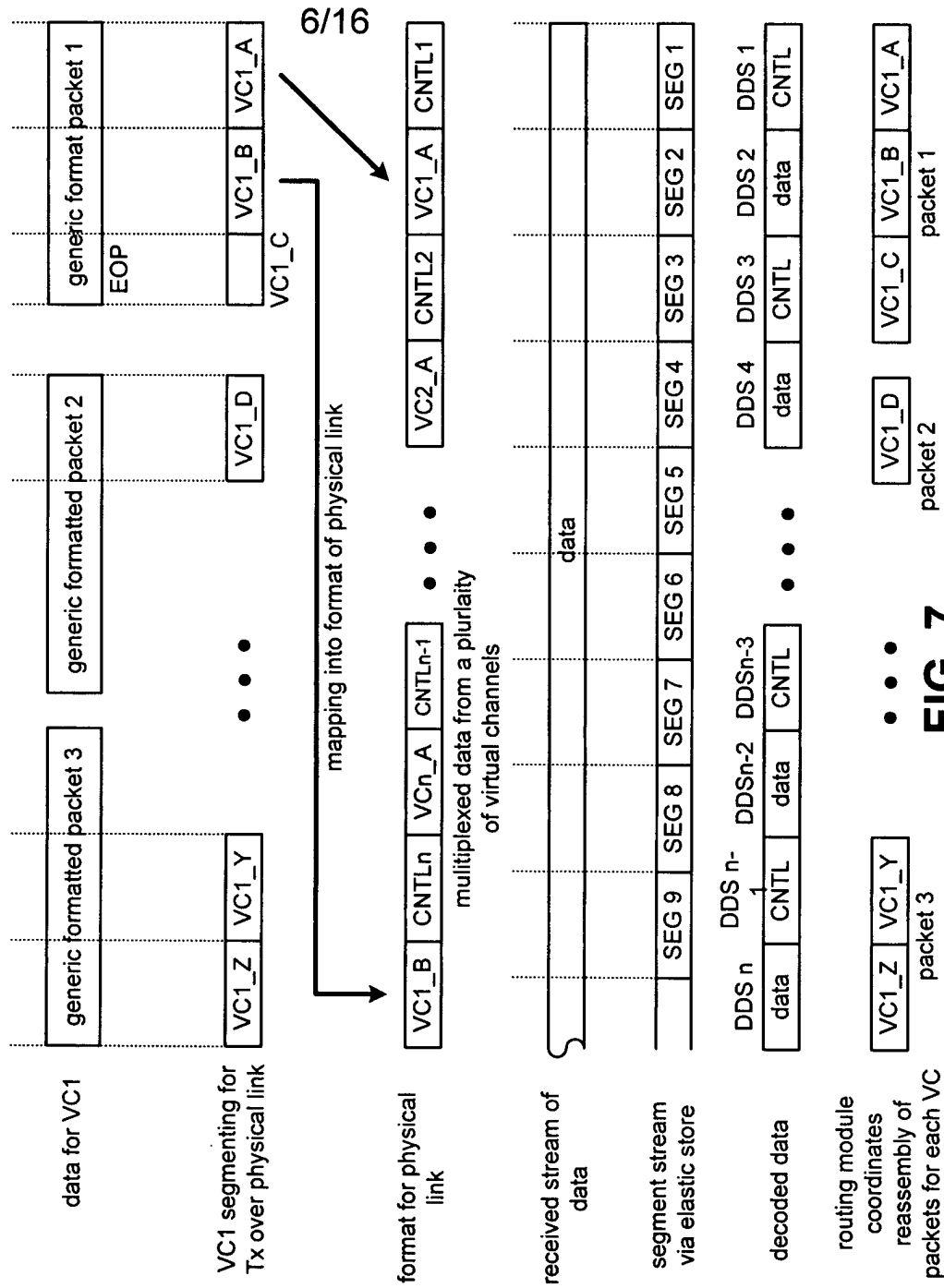


FIG. 6

Rx MAC module 60 or 66



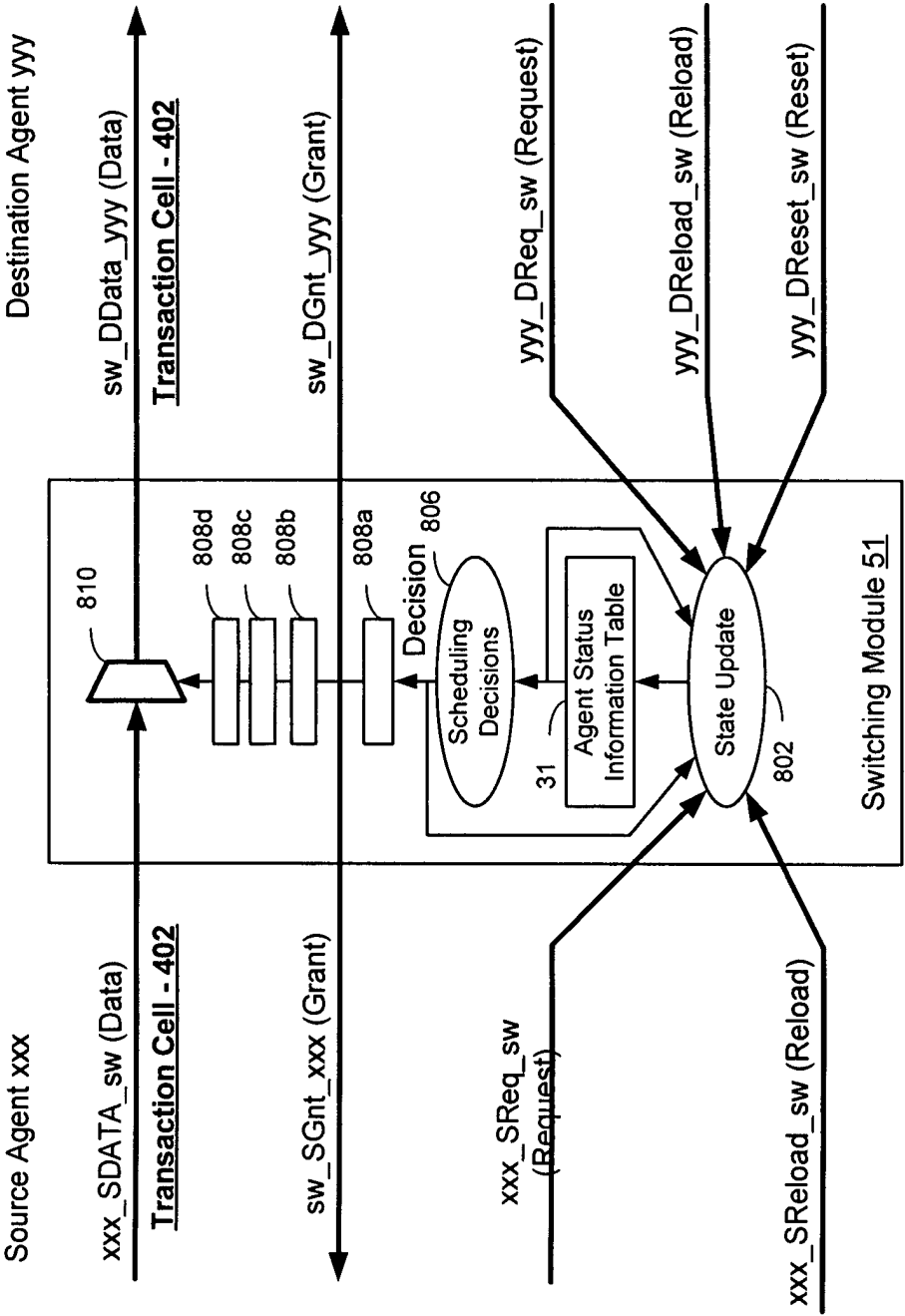


FIG. 8

Switch Interface Signals

Agent	Group	Signal	Description
Source Agent	Request	xxx_sreq_agent_sw[2:0]	Destination agent for which data is available
		xxx_sreq_type_sw	Type of data
		xxx_sreq_vc_sw[4:0]	Destination VC for which data is available
		xxx_sreq_eop_sw	EOP for that data
		xxx_sreq_valid_sw	Previous fields are valid
	Grant	sw_sgnt_agent_xxx[2:0]	Destination agent to which data should be sent
		sw_sgnt_type_xxx	Type of data
		sw_sgnt_vc_xxx[4:0]	Destination VC for which data should be sent
		sw_sgnt_valid_xxx	Previous fields are valid
		xxx_sreload_eop_sw	EOP of the reloaded destination/VC
	Reload	xxx_sreload_valid_sw	There is more data on the destination/VC that just got scheduled
		xxx_sdata_bits_sw[127:0]	Payload (16B)
	Data	xxx_sdata_count_sw[3:0]	Count
		xxx_sdata_tag_sw[27:0]	Tag

FIG. 9

Switch Interface Signals

Agent	Group	Signal	Description
Dest. Agent	Request	yyy_dreq_type_sw	Type of data
		yyy_dreq_vc_sw[4:0]	VC for which space is available
		yyy_dreq_valid_sw	Previous field is valid
	Grant	sw_dgnt_agent_yyy[2:0]	Source agent which will send data
		sw_dgnt_type_yyy	Type of data
		sw_dgnt_vc_yyy[4:0]	VC to which data will be sent
		sw_dgnt_eop_yyy	EOP of the data to be sent
		sw_dgnt_valid_yyy	Previous fields are valid
	Reload	yyy_dreload_valid_sw	There is more space on the VC that just got scheduled
	Data	sw_ddata_bits_yyy[127:0]	Payload (16B)
		sw_ddata_count_yyy[3:0]	Data count
		sw_ddata_tag_yyy[27:0]	Tag
	Reset	Reset yyy_dreset_state_sw	State of the credits after reset

FIG. 10

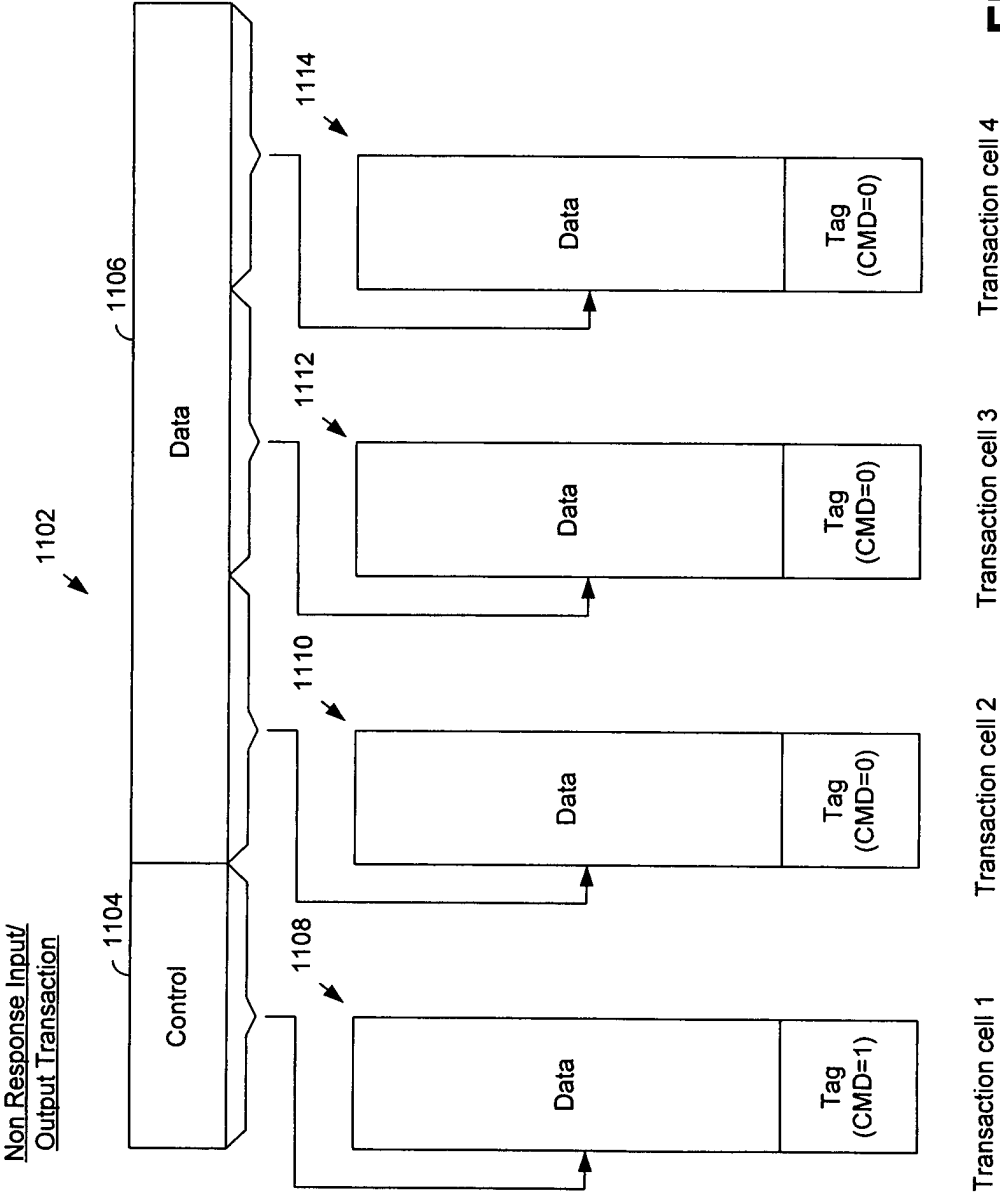


FIG. 11

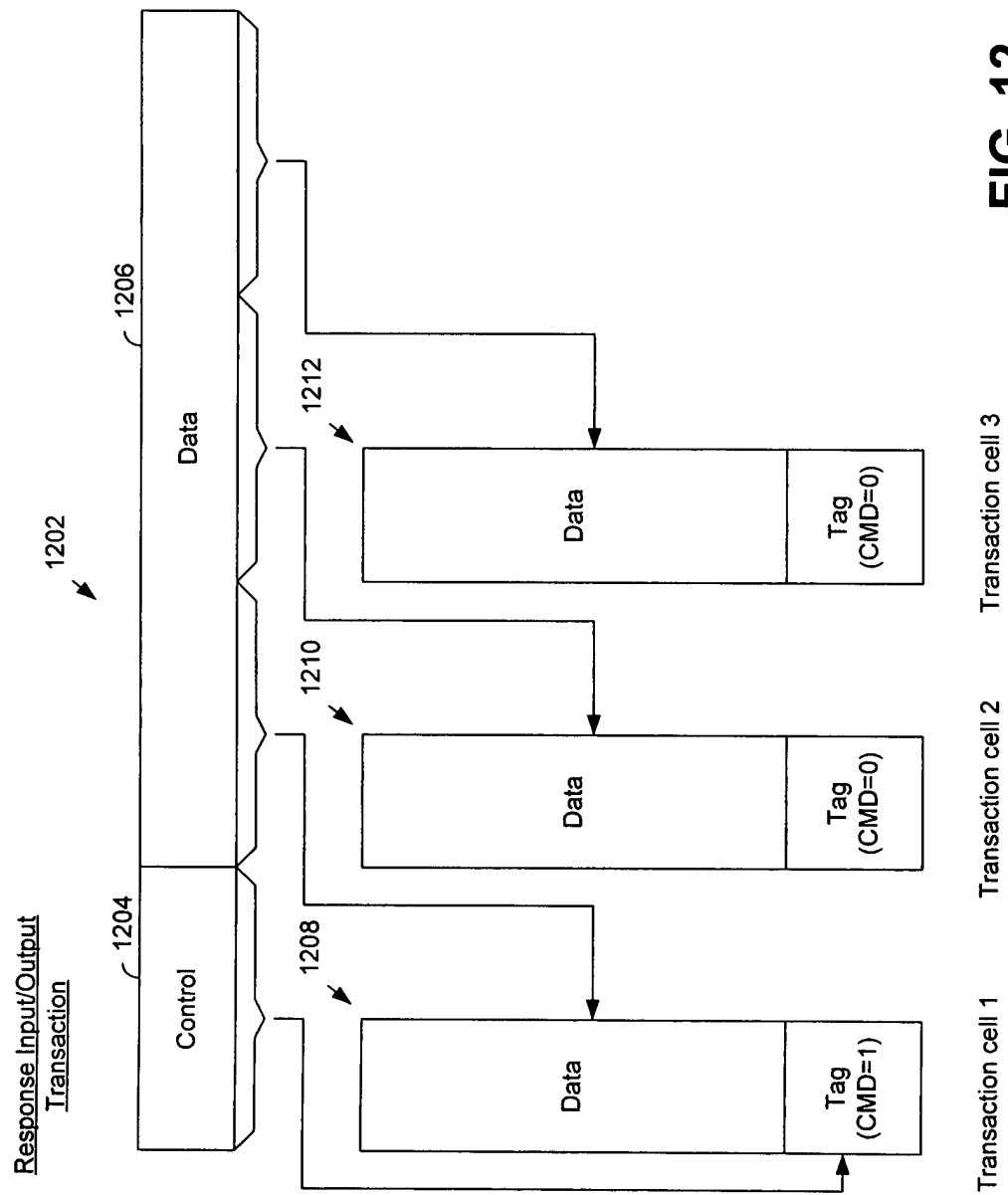


FIG. 12

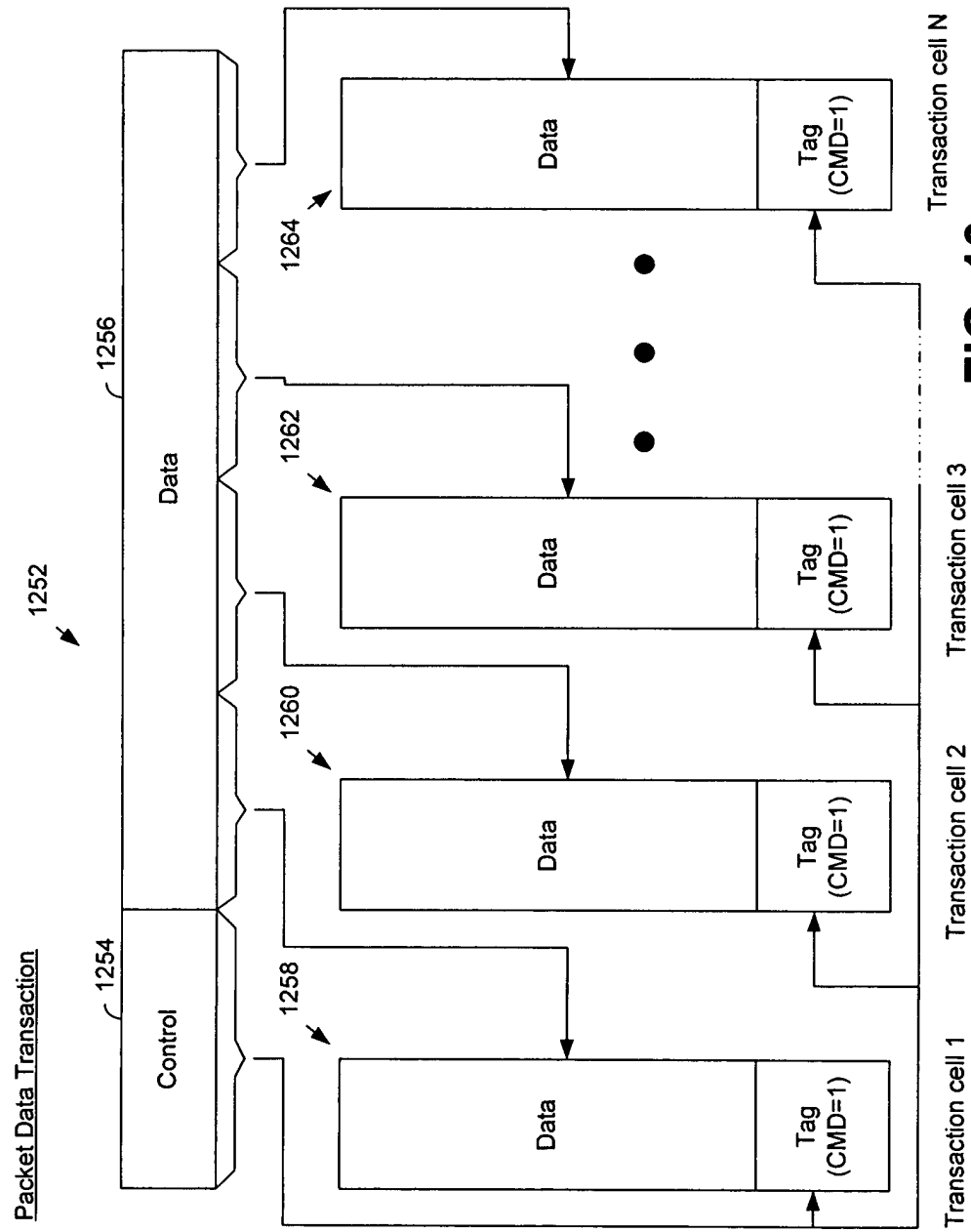


FIG. 13

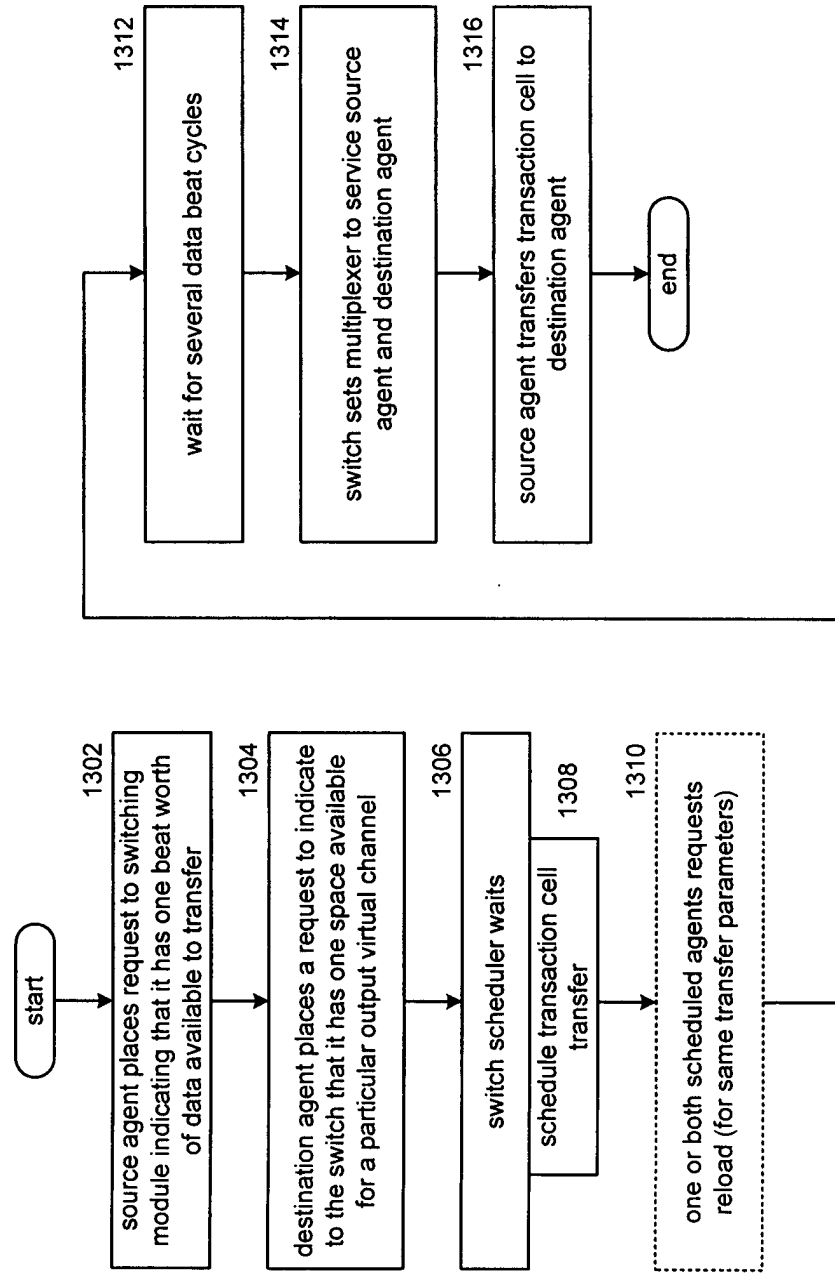


FIG. 14

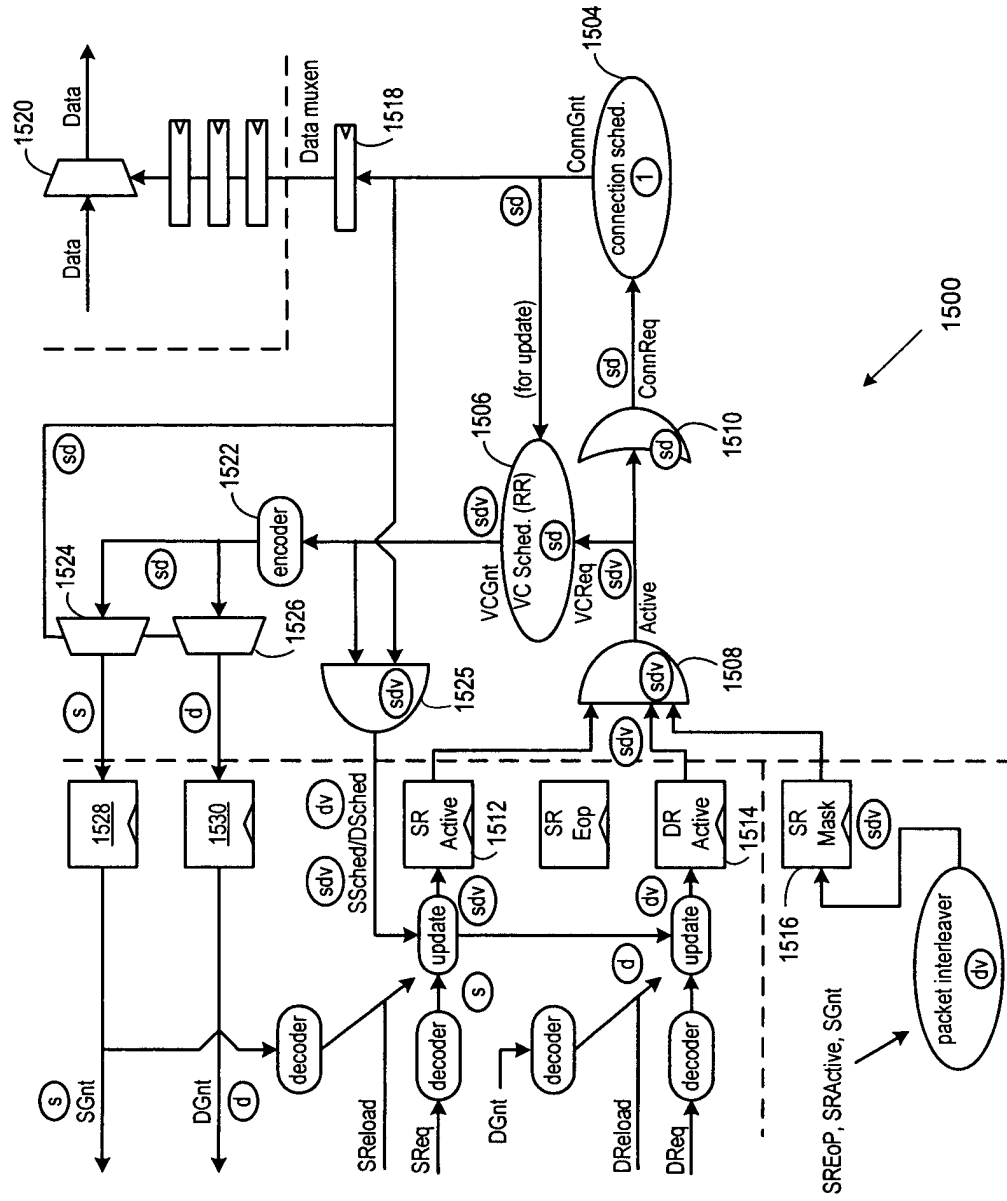


FIG. 15

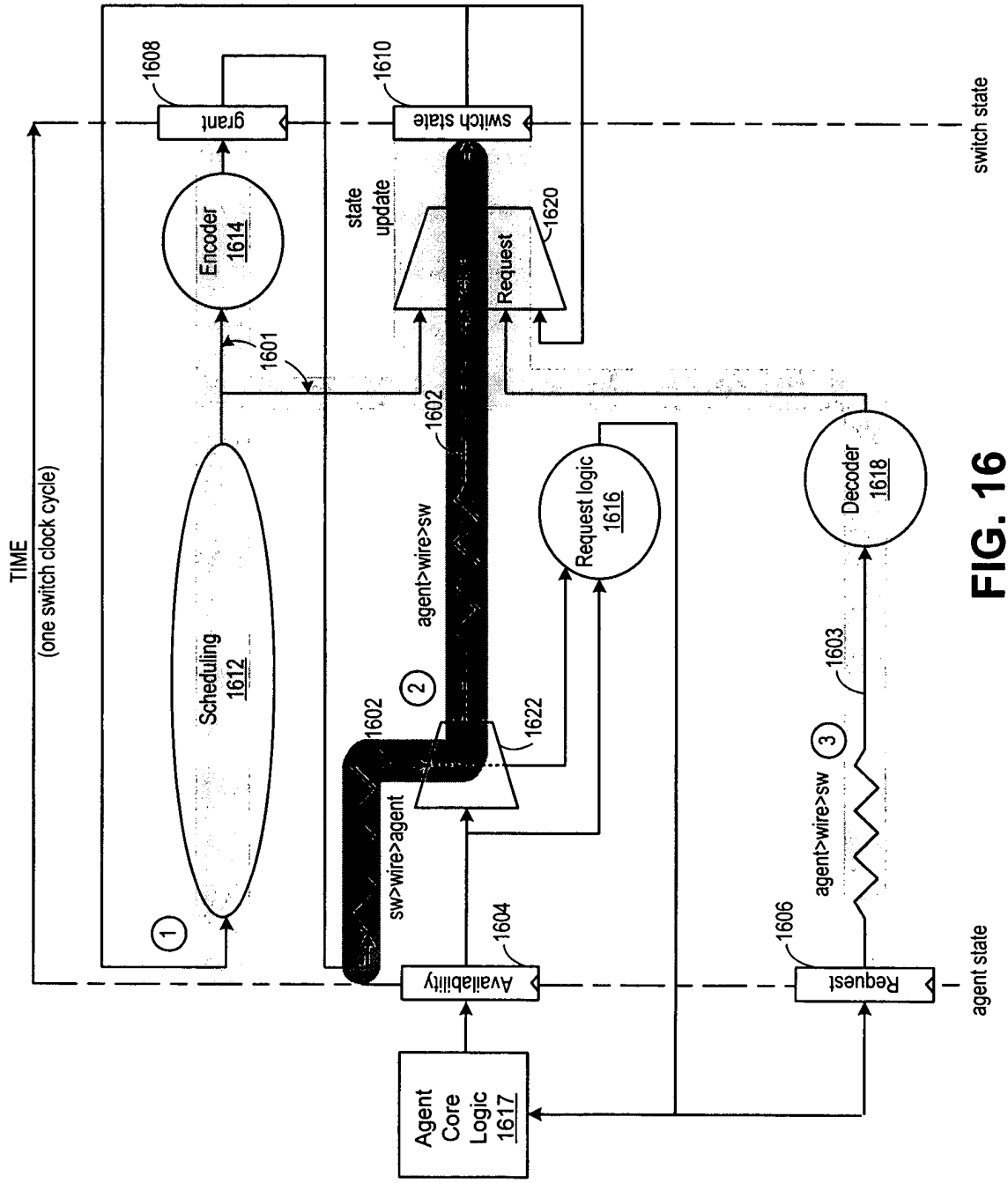


FIG. 16



FIG. 17